Simultaneous Display/Playback of up to 24 screens

Up to 24 screens of live or recorded video can be displayed or played back on an XGA monitor, or 35 screen on an SXGA monitor. Playback during recording or playback of different times is possible. For example, you can compare how crowded your shop was in different time periods.

XGA 24 screens

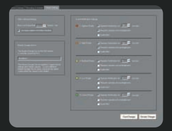
XGA 6 screens

Record from up to 64 cameras onto one storage server

VK-64 accesses camera servers on the network to collect video. Video of up to 64 camera can be recorded simultaneously to one storage server. If there are 5 storage servers for example, you can manage recording from 320 cameras.

Viewer Settings

Setting of monitoring screen display frames and setting of event notification (5 levels) is possible.



Various Recording Settings

Various combinations of schedules and recording modes can be set for each camera. For example, you can set recording only when there is a signal from the sensor during the night, and record constantly during daytime, or change the frame rate only when there is a change in the image.

Camera Control

When monitoring live images, you can freely pan/tilt/zoom the cameras for an interactive monitoring environment.

Converting Recorded Video into a QuickTime file

You can specify a particular period of the recorded video, and easily convert it into a QuickTime (.mov) file. Send the file via e-mail which the viewer can play with QuickTime Player (up to 1 hour).

Usages

- **Remote Recording**
  The recorded videos will remain even if the camera site gets destroyed.
- **Network Surveillnce (LAN/WAN)**
  Using LAN, the system is easy to install and is cost-saving.
- **Remote Monitoring**
  Ideal for store management, such as monitoring of customer and display situations.
- **Recording / Analysis (Marketing)**
  By comparing/analysing recorded video, productivity can be increased. Effective for management to instruct/improve activities and operations.

Canon
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Canon
Delighting You Always

Network Camera

VB-C300
VB-C50i/iR
VB-C50FSi
VC-C50i/iR

Network Video Recorder

VK-64/16 v1.3

VB-C300 VB-C50i/iR VB-C50FSi VC-C50i/iR

Internet Video Solutions

For All Your Business Needs

WebView Livescope

ONE System, Many Possibilities

Combining decades of expertise in making world-class optics and the latest in networking technology, Canon has developed a powerful way to transmit and record high-quality video images through the Internet or via LAN, making top-quality video broadcasting a hassle-free reality for all.

Bringing Canon lens technology to video networking

As with all Canon camera products, the advanced network cameras feature high-end image quality, thanks to a bright 26x optical zoom lens capable of shooting at low light levels down to 1 lux or 0 lux in Night Mode.

With pan/tilt/zoom capabilities that can be remotely controlled from a network or via the Internet, you can be sure that the images you desire will be captured. Broadcasting live video or still images captured with the network cameras is easy, since standard HTTP protocols are used. With transmission speeds of up to 30 fps, Canon's network camera server products make live web broadcasting a reality.

Centralised controls for easier operation

Most impressively, the Canon Webview Livescope System can be fully managed through a centralised server. The camera's pan, tilt and zoom, image quality and capture rate are some of the many features that can be remotely controlled through the web browser. Network errors and server access information are also automatically logged in a file on the server, allowing easy maintenance.

Simple installation, stylish design

Because of its sleek, lightweight casing, the discreet network cameras are well-suited for modern business settings. Selected models can also be ceiling-mounted, making them suitable for security and other surveillance applications. Finally, you'll be able to connect your Canon network cameras through our Web-based program in minutes.

Unlimited possibilities

Not sure of how to use the WebView system? Here are a few different applications to address a diverse set of needs – from strictly business to personal.

WEBCASTING

The WebView Livescope can be used for "Webcasting" which allows distribution of live video over the Internet. Installing cameras into tourist attractions and distributing the images from your Web pages enables you to advertise the spot and to provide services to viewers.

MONITORING/SURVEILLANCE

The WebView Livescope can also be used for monitoring and surveillance in offices via an intranet. Installing cameras into various places where security measures are required allows you to monitor the status of site from remote places in real time.

Canon's
Webview Livescope System

Network Cameras

WIDE ANGLE: VB-C300
With a wider viewing angle, the VB-C300 is able to capture more of the image in a frame. It also has pan, tilt and zoom functionality, giving you more surveillance options.

ZOOM: VB-C50i/iR
The VB-C50i/iR is a versatile zoom-capable network camera with pan and tilting functionality that lets you zoom in on particular areas for closer inspection.

FIXED: VB-C50FSi
The VB-C50FSi has a class-leading 26x optical zoom that gives you far-ranging viewing options from a fixed location.

ANALOG RECORDING: VC-C50i/iR
The highly versatile VC-C50i/iR can be connected to external devices such as lights, alarms, and sensors for added security measures, and has pan, tilt and zoom functionality.

Software

INCLUDED: Viewer for Java
Viewer for PC
VB Administration Tools
VB Collector

OPTIONAL: Network Video Recorder VK-64/16 v1.3

VB-C300 Network Camera

Versatile and powerful wide-angle camera with pan/tilt/zoom capability

70° Wide Angle AF Zoom Lens

Featuring a genuine Canon auto-focus lens and a wide 70° horizontal angle of view, the VB-300 is ideal for monitoring both tight spaces and large sites.

Wide Pan and Tilt

With an extremely wide pan and tilt range, the VB-C300 can provide coverage for a full 360° horizontal field of view with a pan range of 170°. Viewing angle can also be easily adjusted via PC. Quick auto-focus means images are exceptionally clear even during panning, tilting or zooming.

Progressive Scan Video

Using Progessive Scan technology which deliver smoother and higher quality images, the VB-C300 is able to clearly capture details such as facial features or licence plate numbers even on moving subjects.

Superb Low Light Performance Scan Video

The VB-C300 captures clear, noise-free colour video at 30 fps even in dim conditions thanks to a high sensitivity CCD. Auto Day & Night mode also allows the VB-C300 to switch between color capture in daylight conditions and light-sensitive black & white video capture in dark conditions automatically.

Simultaneous 2-Way Audio

The VB-C300 can transmit audio in real-time both to and from an authorised networked PC. Simultaneous two-way audio allows administrators to listen in on a camera site, make announcements to the scene of the camera, or do both at the same time.

High Performance Data Transfer

While network cameras typically experience a drop in frame rate with increased network load, the VB-C300 can deliver smooth and high-quality videos at a frame rate of 30fps to multiple clients.

PoE Compatibility

The VB-C300 supports the IEEE 802.3af standard for Power over Ethernet (PoE) technology. This allows it to receive both data and power through a single LAN cable, so a separate power source is not required.

Ultra-Compact Dome Housing

The VB-C300 has a compact dome option that fits easily between standard ceiling beams for hassle-free installation. Its appearance makes it inconspicuous from the outside without impeding the camera's view from within. Available in clear or smokey grey options.

Included Software

The VB-C300 comes with the NC Viewer software that lets you view live video images and control camera movements, as well as the Viewer Switcher that allows you to toggle back and forth between different network cameras. The VB Admin Tools also help you manage all your Canon network cameras.

VB-C50i/iR

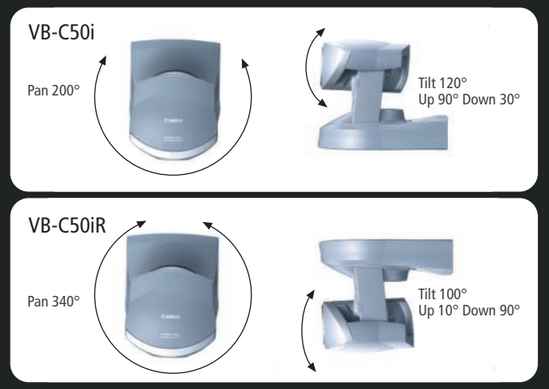
High performance pan/tilt/zoom camera
with built-in server

Camera and Video Distribution Server Functions Housed in a Single Unit

The VB-C50i is a compact, all-in-one solution for network monitoring with its pan/tilt/zoom (PTZ) capability and server function combined into one body. By simply connecting a LAN cable and power supply, the unit can distribute live videos from any location where is installed, and can be controlled remotely over the network.

Superior Optics with Pan/Tilt/Zoom Control

The VB-C50i records high-quality video images using Canon's optical technology and superior pan/tilt control. It also includes a 26x optical zoom, 12x digital zoom, and low-light performance from the f/1.6 lens and infrared light.



Powerful Video Distribution

The VB-C50i is capable of capturing videos at up to 25 fps. Motion-JPEG is used to compress video images. Up to 50 clients can view any video simultaneously from a single VB-C50i using a web browser or Canon's monitoring software.

Connecting to External Devices

By using the optional Multi-Terminal Module VB-EX50, the VB-C50i can communicate with external devices such as sensors and speakers. For example, you can configure picture recording based on ON/OFF input from an external sensor, or even send your voice over the network to a speaker connected to the VB-C50i.

Software Adds Value and Performance

Packed with the VB-C50i is a full suite of administration and application software, providing flawless operation and user-friendly functionality. For further monitoring usages with multiple cameras, the optional WebView Livescope MV or MV LE software is recommended. For recording of live images, the optional Network Video Recorder VK-64 software is recommended.

VB-C50FSi

Advanced fixed network camera
with built-in network server

Superior Image Quality

Built upon extensive imaging expertise and the latest advances in video technology, the VB-C50FSi offers unmatched image clarity, detail, and color to meet the requirements of most demanding applications.

26x Optical Zoom

The VB-C50FSi features a Genuine Canon zoom lens with 26x optical zoom – the highest optical zoom magnification in the industry. This high magnification makes the VB-C50FSi the perfect choice for monitoring large facilities.

Exceptional Low-Light Performance

Offering class-leading low-light performance, the VB-C50FSi is able to capture color video with as little as 1 lux* of illumination. Noise reduction keeps the image clear at any level of lighting.

*Imaging at 1 lux requires a shutter speed of 1/30 sec.

Built-in PoE Support

Power Over Ethernet (PoE) technology allows the VB-C50FSi to receive both data and power through a single Ethernet cable. Because a power cable is not required, this allows the camera to be flexibly installed at sites without readily accessible AC outlets. Perfect for hard-to-reach locations (such as ceilings or rooftops) both indoors and outdoors, PoE eliminates the cost of running expensive power cabling to each device, thus reducing the overall cost of installation.

Image Adjustment Controls

Video capture can be optimised for many different situations thanks to a wide range of automatic and manual settings, including: exposure control (shutter speed, aperture, and gain), manual focusing, noise reduction, backlight compensation (3 levels), and automatic white balance.

Image Storage Functions

The VB-C50FSi is equipped with an internal RAM disk for temporary storage of up to 15MB of captured images, handy for timer-based or motion- and sensor-triggered recording. You can also store a larger amount of data using the VB Collector software.

Versatile mounting positions to fit your environment

Mounting holes on the top and bottom of the camera allow you to position the VB-C50FSi exactly how you want it. The camera can be installed on a ceiling or wall, or with a free-standing tripod (optional) to accommodate virtually any room setup.

Optional Multi-Terminal Module (VB-EX50)

The optional Multi-Terminal Module VB-EX50 can be used to connect various types of external devices to the camera. This enables advanced monitoring functions such as sensor-triggered image recording or audio playback, as well as audio transmission to the camera.

CONNECTOR TYPES

- Audio Out: for speakers
- Video In/Out: for analog video cameras already in use
- External Sensor In/Out: for sensors and alarms

Audio Output Capability

Using the optional VB-EX50 Multi-Terminal Module, live voice data can be sent over the network to the scene of the camera. Users can thus talk into a microphone connected to their PC and have themselves heard through a powered speaker connected to the camera (through Admin Viewer software only).

VC-C50i/iR

Simple and compact network camera for monitoring needs

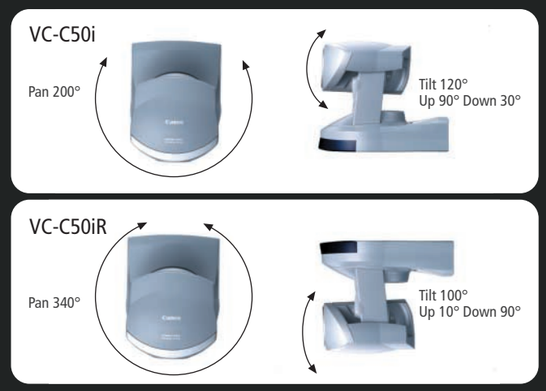
Packed with Advanced Canon Optics

The pan/tilt/zoom VC-C50i camera delivers high quality video images from Canon's optical technology. The camera employs a zoom lens that is compact but features the highest zoom magnification (26x optical zoom) in its class. To further enlarge the displayed image, the new 12x digital zoom function can be utilised. What's more, thanks to Canon's expertise in optical technology, the lens delivers the further benefits of high-resolution, high-color fidelity, and fast auto-focusing.

By employing an f/1.6 lens that is among the brightest in its class, 1 lux minimum subject illumination is possible, making it suitable for surveillance. In even darker conditions where objects are not visible to the naked eye, Night Mode (built-in infrared imaging in 0 lux, black & white) can be activated.

Superior Control and Flexibility

With a precision pan/tilt mechanism that minimises shaking and vibration, the VC-C50i's camera angle can be used in almost any environment. It can also be controlled by the optional remote controller, or from a PC connection. The convenient 20-pin multi-connector has S-video, RS-232C, and other input/output terminals, allowing one-plug connection to external devices such as lights, alarms, and sensors.



Included Software

Viewer Software

Maximise the number of people who can view live videos through WebView Livescope.

Viewer for Java (For VB-C50i/iR and VB-C50FSi)

Allows video from the network cameras to be displayed on a standard Java-enabled Web browser. It is automatically downloaded and does not need to be installed. This viewer is perfect for any business or educational application.

Viewer for PC (For VB-C50i/iR and VB-C50FSi)

Viewer for PC is a pre-installed viewing application which offers faster start-up and a higher video frame rate than the Viewer for Java.

VB Administration Tools

Canon software provides the administrator with unrestricted control and unprecedented ease.

Special Privileges

The Administration Tools software offers numerous ways to successfully manage your network camera system. In contrast to the Viewer for PC software or the Viewer for Java, Administration Viewer delivers a superior level of control.

Those using the Administration Viewer may connect beyond preset service times. Once connected, the administrators do not have to adhere to the preset time limit. Any pending control requests are temporarily suspended. Viewing restrictions set by the Viewing Restriction Tool can also be ignored, giving administrators freedom to pan, tilt and zoom as much as they choose. They are also informed when the status of an external device has changed.

VB Collector

Automatically collect, store and manage still images.

Effortless Still Image Capture

VB Collector software is used to view pictures recorded by the network cameras. With VB Collector, you can collect and display still images based on inputs from an external device or schedules. It monitors the Network Server at specific times (such as dates, weeks or months), then downloads the recorded images to a PC.

Optional Software

VK-64/16
Network Video Recorder

Monitor and record live images from up to 64 camera servers via IP networks

Creates Opportunities in Both New and Established Security Markets

Unlike tape-based recording, the VK-64 Network Video Recording software is an advanced solution allowing video to be stored, managed and accessed by a computer, for simplified archiving and playback.

When used in combination with Network Cameras, a security administrator has a powerful, comprehensive system for monitoring and recording. Since it uses an IP network, it is easy to add/move cameras and build flexible recording systems.

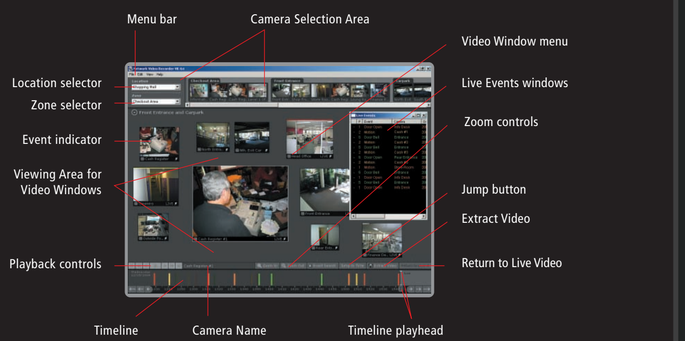
Remote Recording of Multiple Locations

Hours and days of video images from multiple locations can be monitored and recorded over a LAN / WAN / Internet, and the recorded data is protected from accidents such as a fire or destruction.

Flexible System

Traditional monitoring systems require a direct connection from the camera to recorder using video cables. The advanced IP system with VK-64 software and network cameras uses Ethernet, so it is much more flexible to install, add or modify cameras. This makes system building easy for small offices to large enterprises.

Easy-to-Use Free Layout Screen



Specifications

			VB-C300	VB-C50FSi	VB-C50i	VB-C50iR	VC-C50i	VC-C50iR
Camera Unit	Video Signal		Conforms to NTSC/PAL	Conforms to NTSC/PAL (Output image when connected to the VB-EX50)				
	Image Sensor		1/4-inch CCD (primary color filter)	1/4-inch CCD				
	Scanning Method		Progressive	2:1 Interlaced				
	Number of Pixels		NTSC/PAL: effective: 310,000	NTSC: effective: 340,000, PAL: effective 400,000				
	Lens		F=3.0–7.2mm F2.0–3.4 2.4x power zoom (shooting at infinity)	f=3.5-91.0mm F 1.6-4.0 26x power zoom (shooting at infinity)				
	Focusing	Day mode	Auto/Manual: Wide-angle/Telephoto 0.3m – inf.	Auto/Manual Wide-angle: 0.01m–inf. / Telephoto: 1.6m–inf.				
		Night mode	Auto/Manual: Wide-angle/Telephoto 0.6m – inf.	(Night mode Wide-angle: 0.02m–inf. / Telephoto: 2.3m–inf.)				
	Angle of view		Pan Range:70.8° (W) 29.6°(T) Tilt Range:51.6°(W) 22.1°(T) ※ Including distortion	Pan range:42° (W) 1.7° (T) Tilt range: 31.5° (W) 1.2°(T)				
	Platform drive unit	Pan	340° (±170°)	-	200°(±100°)	340°(±170°)	200°(±100°)	340°(±170°)
		Tilt	Mounting at Upright Position: 115° (25°–90°) Mounting on the Ceiling : 115° (-90°–25°)	-	Upper 90°Lower 30°	Upper 10°Lower 30°	Upper 90°Lower 30°	Upper 10°Lower 30°
		Zoom	2.4x	26x power zoom				
	Min. Subject Illumination		without or with clear dome housing Day mode: 1 LUX(at F2.0, color, 1/30 sec),Night mode: 0.25Lux(at F2.0, B/W, 1/30sec) with smoke dome housing Day mode: 2 LUX(at F2.0, color, 1/30 sec),Night mode: 0.5Lux(at F2.0, B/W, 1/30sec)	Normal mode: 1 lux (at F1.6, color, 1/30 sec.)	Normal mode: 1 lux (at F1.6, color, 1/30 sec.) Night mode: 0lux(at F1.6, B/W, 1/30 sec IR LED on)			
	Imaging Modes		Day mode/Night mode (Manual · Auto ※ Schedule-based switch (Available with Optional Recording software VK-64/VK-16 v1.3)	Normal mode/Night mode (manual/schedule-based switch)				
	Infrared Cut Filter		Power-driven insertion/removal (Day mode / Night mode)	Power-driven insertion/removal (normal mode/night mode)				
	Night Mode	IR Light	-	-	LEDs (4)			
		Effective Lighting Range	-	-	Approx. 3m			
Server	Protocol		HTTP, DHCP, WV-HTTP (Canon original)	TCP/IP, HTTP, DHCP, FTP, WebView (Canon original)			N.A.	
	Video Compression Method		Motion-JPEG (for video), JPEG (for still pictures)	Motion-JPEG (for video), JPEG (for still pictures)			N.A.	
	Output Image (Video) Size		640x480/320x240/160x120 (Fixed Size Delivery by Video size setting)	640x480/320x240/160x120 (Multi-streaming supported)			N.A.	
	Max. Frame Rate		NTSC:30fps PAL:25fps	30fps (640X480)			N.A.	
	Simultaneous Client Access		15	50			N.A.	
	Camera Controlled function		Pan, Tilt, Zoom, Backlight compensation, Shutter speed, Focus speed, White Balance	Pan, Tilt, Zoom, Backlight compensation, Shutter speed, Focus speed, View restriction, Control time restriction			N.A.	
	Preset		20 positions	10 Positions (Zoom setting only)	20 Positions		N.A.	
	Preset Tour		Not Available (Available with Optional Recording software VK-64/VK-16 v1.3)	Yes			N.A.	
	View Restriction		-	Yes			N.A.	
	Motion Detection		-	-	Yes		N.A.	
	Audio	Compression Method	G.711 m-law (64kbps), full duplex communication	G.711 m-law (64kbps), full duplex communication			N.A.	
		Audio IN/OUT	Japan · USA(NTSC) : Audio:LINE IN/LINE OUT Oversea(PAL) : Audio : LINE IN / LINE OUT (& Audio : LINE OUT)	Japan/USA :AudioMIC IN/OUT Overseas: Audio Line OUT			N.A.	
		Audio Playback	-	Yes (Sound sample files are stored on the supplied CD-ROM)			N.A.	
Viewer	Bundled (free)		NC Viewer (Only for VB-C300)	Viewer for Java, Viewer for PC, Admin Viewer			N.A.	
	Optional		Network Video Recorder VK-64/VK-16 v1.3	Network Video Recorder VK-64/VK-16 v1.2 (v1.3 is available as well)			N.A.	
Main unit Interface	Network		LAN×1(RJ45, 100Base-TX/10Base-T auto-negotiation)	LAN×1(RJ45 100Base-TX/10Base-T auto-negotiation)			N.A.	
	Multi-connector		- (Not necessary)	Connector for Multi-Terminal Module VB-EX50 (optional)			N.A.	
	Number of External I/O devices		IN:2, OUT:1	- (Available with Multi-Terminal Module VB-EX50 (optional) IN : 2, OUT : 3)			N.A.	
	Number of Audio IN/OUT		Audio LINE IN:1, Audio LINE OUT:1 Ø 3.5 monaural mini jack connector	- (Available with Multi-Terminal Module VB-EX50 (optional) Audio Line IN : 1, Audio Line OUT : 1)			N.A.	
	Number of Video IN/OUT		Video OUT:1 Ø 3.5 monaural mini jack connector	- (Available with Multi-Terminal Module VB-EX50 (optional) Video IN : 1, Video OUT : 1 ※ PAL : Video out x 1 only)			Camera control RS - 232C / Video Out: 2 (composite video, S-Video output)	
Connection with External Devices	Recording Trigger		Not Available (No function for recording on camera unit)	Schedule, Motion Detection, External Device Input Sensor			N.A.	
	External Device Output		Manual	Linked with External Device Input Sensor or Motion Detection/Manual			N.A.	
Spec.	Operating Environment		Temperature: - 10–45°C, Humidity: 20-85%RH (no condensation)	Temperature: 0-40°C, Humidity: 20-85%RH (condensation free)			Temperature: 0-40°C, Humidity: 20-85%RH (condensation free)	
	Dimensions		121.6mm(H)×131.8mm(W)×129.9mm(D) (Excluding without Rubber feet, Ceiling mounting plate)	66.2mm(W)×134.2mm(D)×97.0mm(H) (excluding attachments)	104.6mm(W)×130.3mm(D)×109.7mm(H) (excluding attachments)	136.0mm(W)×130.3mm(D)×110.6mm(H) (including mounting plate)	100.0mm(W)×117mm(D)×96mm(H) (excluding attachment)	
	Weight		780g Mounting on ceiling : 975g (Including Ceiling mounting plate, Ceiling mounting cover)	Approx. 530g	Approx. 620g	Approx. 700g	Approx. 420g	Approx. 490g
	PoE (Conforms to IEEE 802.3af)		Yes	Yes	-	-	-	-
	Power Supply		AC100V–AC240V using the supplied AC Adapter AC24V, DC12V supported (using bundled power connector)	AC100V±10% using the supplied AC Adapter Camera Unit: DC13V 1.8A (Max)				
	Power Consumption		MAX : Approx. 13W (using AC adapter) MAX : Approx. 10W (using PoE)	PoE: 12.95W or less (Conforms to IEEE 802.3af)	Standby: About 8W Max.: About 14W		Approx. 0.5W (using AC Adapter)	

AC Adapter (ACCESSORY)
for VB-C300, VB-C50FSi, VB-C50i / iR, VB-C50i / iR

Model	PA-V16, PA-V17 (for VB-C300 only)
Input	AC100-240V 50/60Hz
Output	DC13V 1.8A (max.)
Terminal Type (Polarity)	Exterior (-) Interior (+)
Dimensions	58mm(W)×118mm(D)×25mm(H) (Excluding attachments)
Weight	Approx. 230g

Supported PC
for VB-C300

OS	Windows 2000 Professional (SP4), Windows XP (SP1a, SP2), Windows Server 2003 Standard Edition (SP1, R2)
Web Browser	Microsoft Internet Explorer 6.0 (SP1, SP2)
JavaVM	
Network	Built-in Network Card (10/100Mbps)
HDD	No specific requirements
Audio	Audio IN/OUT Function (Microphone, Speaker, etc.)

Supported PC
for VB-C50FSi, VB-C50i / iR

OS	Windows 2000 Professional (SP4), Windows XP (SP1a, SP2), Windows Server 2003 Standard Edition (SP1, R2)
Web Browser	Microsoft Internet Explorer 6.0 (SP1, SP2) (NetScape 7.1 and 7.2 are available with Viewer for Java)
JavaVM	MSVM Release 5.0.0.3810 (Java VM provided by Microsoft) or Java Plug-in 1.4.2 (Java VM provided by Sun Microsystems)
Network	Built-in Network Card (10/100Mbps)
HDD	Using VBCollector: 20GB HDD or greater (NTFS formatted)
Audio	Audio IN/OUT Function (Microphone, Speaker, etc.)

Bundled Software
for VB-C300

Initial Setup Tool	Ver. 3.0 (Available for both VB-C300 and VB-C50 series)
VB Administration Tools	Ver. 3.0 (set up first Ver 2.2 for the parallel use with VB-C50i series)
Viewer for PC, Viewer for Java	Not available (Unable to use these 2 viewers on VB-C300. Use Viewer switch tool (VB-C300 bundled software) when using with VB-C50i series.)
NC Viewer	Ver. 1.0 (Specific for VB-C300)
VBCollector	Not available (Function for recording pictures on camera is not supported on VB-C300)

Bundled Software
VB-C50FSi, VB-C50i / iR

Initial Setup Tool	Ver. 2.0
VB Administration Tools	Ver. 2.2 (Current version)
Viewer for PC, Viewer for Java	Ver. 3.6 (Current version)
NC Viewer	NO (Unable to use with VB-C50i Series)
VBCollector	Ver. 3.0 (Current version)